

Remarks

Claims 21-49 are pending. Claims 1-20 are withdrawn per an election made in response to a restriction requirement. Claims 26 and 35 stand objected to. Claims 21-49 stand rejected under 35 U.S.C. §112, second paragraph. Claims 21-24, 30 and 41 stand rejected under 35 U.S.C. §102(e) as being anticipated by Mohieldin et al. (U.S. Patent No. 6,656,498). Claims 21-33, 41-45 and 48 stand rejected under 35 U.S.C. §102(e) as being anticipated by Pham (U.S. Patent No. 6,803,813). Claims 34-40, 46-47 and 49 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Mohieldin in view of Figure 2 of Applicant's admitted prior art. Applicant respectfully traverses.

Claim objections

With respect to the claim objections, Applicant has amended claims 26 and 35 to correct the obvious typographical errors identified by the Examiner. Claims 1-20 are indicated above as withdrawn per election in response to the Examiner's restriction. Other typographical errors in the claims have been corrected through amendment. No new matter has been added. The claims are now in proper form.

Claim rejections under 35 U.S.C. §112, second paragraph.

Claims 21-49 stand rejected by the Examiner under 35 U.S.C. §112, second paragraph, for being indefinite. The Applicant has amended claim 21 as shown above. Applicant submits that Claim 21 meets the requirements of 35 U.S.C. §112, second paragraph. Claim 24 has been canceled. Claim 26 has been amended to recite current mirrors, as discussed at paragraph 53 of the specification.

Claim 35 has been amended to recite "the at least one filter stage". The Examiner is directed to paragraph 33 and Figures 2 and 3 for an illustration of an example of an embodiment of the claimed invention.

Applicant submits that the claims as currently amended are in proper form for allowance.

Claims 21-24, 30 and 41 are patentable over Mohieldin et al.

Claims 21-24, 30 and 41 stand rejected under 35 U.S.C. §102(e) as being anticipated by Mohieldin et al. (U.S. Patent No. 6,656,498). Claims 21-33, 41-45 and 48 stand under 35 U.S.C. §102(e) as being anticipated by Pham (U.S. Patent No. 6,803,813). Claims 34-40, 46-47, and 49 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Mohieldin et al. in view of Figure 2 of the Applicant's specification. Claims 34-40, 46-47 and 49 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Pham in view of Figure 2 of the

Applicant's specification. Applicant submits that the claims as amended are patentable over the references relied upon.

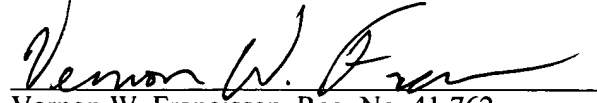
Claim 21 is currently amended to include a RC oscillator and a successive approximation register "wherein the variable resistor of the filter stage and the variable resistor of the RC oscillator have a substantially identical structure, where each variable resistor structure is closely coupled to a power supply terminal of the filter circuit assembly, and the variable resistor structure comprises a plurality of resistors coupled in series with one another and a plurality of transistors, each transistor coupled in parallel with a corresponding one of the plurality of resistors, where a gate of each transistor is coupled to a corresponding bit of the successive approximation register". Claim 41 has been amended to recite "providing an RC oscillator having an output, said RC oscillator further comprising at least one variable resistor, wherein the variable resistor of the filter stage and the variable resistor of the RC oscillator have a substantially identical structure, where each variable resistor structure is closely coupled to a power supply terminal of the filter stage and the RC oscillator". Claim 50 has been added. The amendments to the application find support in the specification as originally filed at paragraphs 34, 35, and 45-47 and in Figures 4, 6 and 7. No new matter has been added.

Applicant respectfully submits that the art relied upon does not teach or suggest these limitations of the claims. As noted in the specification, this feature enables the circuit to operate satisfactorily at low supply voltages and to provide for process compensation through frequency tuning, as discussed in paragraph 62.

In re Appln. of Onody
Application No. 10/817,499

The application is considered in good and proper form for allowance, and the Examiner is respectfully requested to pass this application to issue. If, in the opinion of the Examiner, a telephone conference would expedite the prosecution of the subject application, the Examiner is invited to call the undersigned attorney.

Respectfully submitted,



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